Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	01/13/2022 11:21 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	12/16/2021 09:10 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	32272	Expiration Date:	09/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124802	-1	1.42	124720	1.36
Blue	F	SSC	125000	124221	-1	2.60	124730	2.46
Blue	E	FITC	14284	13793	-4	2.21	386	13.23
Blue	D	PE	23919	23474	-2	1.64	558	10.67
Blue	B	PerCP-Cy5-5	31332	30667	-3	2.92	877	14.56
Blue	A	PE-Cy7	22272	21917	-2	4.92	461	30.48
Red	C	APC	47768	47231	-2	2.53	1629	11.08
Red	A	APC-Cy7	25313	24565	-3	2.85	700	12.12
Violet	B	V450	7085	6894	-3	3.16	481	10.90
Violet	A	V500	26969	25899	-4	2.69	890	7.85

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	24000	2.91	579	-10	N/A	N/A	Pass
Blue	F	SSC	55840	2.05	518	-3	N/A	N/A	Pass
Blue	E	FITC	57	51.89	489	-12	0.0430	0	Pass
Blue	D	PE	109	39.02	486	-11	0.3709	268	Pass
Blue	B	PerCP-Cy5-5	137	41.70	575	-13	0.0211	103	Pass
Blue	A	PE-Cy7	77	76.88	622	-13	0.0218	0	Pass
Red	C	APC	341	26.48	574	-6	0.0321	357	Pass
Red	A	APC-Cy7	131	34.32	547	-8	0.0065	1359	Pass
Violet	B	V450	82	44.29	449	-14	0.0599	2090	Pass
Violet	A	V500	105	27.23	459	-15	0.0267	352	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-31.74	-31.52	1.07
Blue	20.35	16.28 - 24.42	1.27	1.03 - 1.55	0.00	0.00	1.44
Red	15.23	13.90 - 20.86	N/A	N/A	29.96	30.13	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.94

Threshold

Threshold (FSC): 12406

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments